

CLAIMS

1. A wheel information-acquiring system which includes: a first communication device disposed in a wheel to transmit by radio wheel information regarding the wheel together with identification information that the first communication device holds; and a second communication device disposed in a vehicle body in which the wheel is installed to receive the wheel information and the identification information transmitted from the first communication device,

the wheel information-acquiring system comprising a setting device that acquires the identification information held by the first communication device, transmits by radio the identification information and installation position information set and input of the wheel in the vehicle body to the second communication device, and causes the second communication device to correlate the identification information and the installation position information with each other and to set and register a result of the correlation,

wherein the second communication device refers to the result of the correlation to acquire an installation position of the wheel having the wheel information in the vehicle body, from the identification information which is transmitted from the first communication device and is received together with the wheel information.

2. The wheel information-acquiring system according to claim 1, wherein the setting device makes an inquiry by radio about the identification information that the first communication device holds to the first communication device, and the first communication device returns by radio the identification information that the first communication device holds to the setting device to allow the setting device to acquire the identification information of the first communication device.

3. The wheel information-acquiring system according to claim 1, wherein the wheel information is measurement data measured by a sensor connected to the first communication device.

4. The wheel information-acquiring system according to claim 3, wherein the sensor includes at least one of a tire inner pressure sensor fixed to the wheel and a temperature sensor installed in the wheel.

5. The wheel information-acquiring system according to claim 1, wherein the first communication device is disposed in each of front and rear wheels, and a receiver of the second communication device is disposed in the vicinity of the first communication device at least separately from each of the front and rear wheels.

6. A wheel information-acquiring system which includes: a first communication device disposed in a wheel to transmit wheel information regarding the wheel by radio; and a second communication device disposed in a vehicle body in which the wheel is installed to receive the wheel information transmitted from the first communication device,

the wheel information-acquiring system comprising a setting device that transmits by radio identification information to be set by the first communication device by radio to the first communication device, causes the first communication device to set the identification information, transmits by radio the set identification information and installation position information set and input of the wheel in the vehicle body to the second communication device, and causes the second communication device to correlate the identification information and the installation position information with each other and to set and register a result of the correlation,

wherein the first communication device transmits the set identification information together with the wheel information to the second communication device; and

the second communication device refers to the result of the correlation to acquire an installation position of the wheel having the wheel information in the vehicle body from the identification information received together with the wheel information.

7. The wheel information-acquiring system according to claim 6, wherein the

wheel information is measurement data measured by a sensor connected to the first communication device.

8. The wheel information-acquiring system according to claim 7, wherein the sensor includes at least one of a tire inner pressure sensor fixed to the wheel and a temperature sensor installed in the wheel.

9. The wheel information-acquiring system according to claim 6, wherein the first communication device is disposed in each of front and rear wheels, and a receiver of the second communication device is disposed in the vicinity of the first communication device at least separately from each of the front and rear wheels.

10. A setting device of vehicle installation position information used for causing a second communication device disposed in the vehicle body in which the wheel is installed to acquire an installation position of the wheel having wheel information in the vehicle body when the wheel information regarding the wheel is transmitted by radio from a first communication device disposed in the wheel together with identification information that the first communication device holds, and the second communication device receives the transmitted wheel information and the identification information,

wherein an inquiry is made by radio about the identification information held by the first communication device to the first communication device, and the identification information returned from the first communication device in response to the inquiry is transmitted together with set and input installation position information of the wheel by radio to the second communication device to cause the second communication device to correlate the identification information and the installation position information with each other and to set and register a result of the correlation.

11. A setting device of vehicle installation position information used for causing a second communication device disposed in a vehicle body in which a wheel is installed to

acquire an installation position of the wheel having wheel information in the vehicle body, when the wheel information regarding the wheel is transmitted by radio from a first communication device disposed in the wheel together with set identification information, and the second communication device receives the transmitted wheel information and the identification information,

wherein identification information to be set by the first communication device is transmitted by radio to the first communication device to cause the first communication device to set the identification information, and the set identification information and installation position information set and input of the wheel are transmitted by radio to the second communication device to cause the second communication device to correlate the identification information and the installation position information with each other and to set and register a result of the correlation.